



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE


CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010542
CERTIFICATION DATE: October 30, 2013
DATE RECERTIFICATION DUE: April 28, 2014

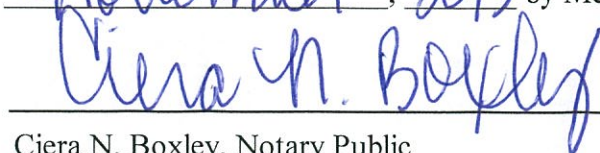
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.



Melissa Kennedy
Program Manager, Calibration & Training

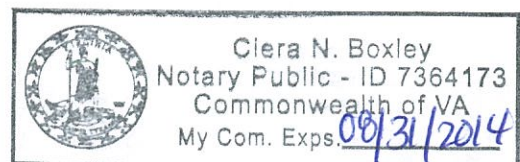
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of November, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

TLN



DBH
WML

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/1/2013**

Instrument Serial Number: 010542 **As of 01-Nov-13**

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
30-Oct-13	30-Oct-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
15-May-13	15-May-13	DBH (21250)	CERTIFIED.
28-Nov-12	28-Nov-12	SED (24178)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
13-Jun-12	13-Jun-12	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
11-Jan-12	11-Jan-12	DBH (21250)	CERTIFIED
21-Jul-11	21-Jul-11	DBH (21250)	CERTIFIED
25-Jan-11	25-Jan-11	RJP (22428)	CERTIFIED.
10-Aug-10	10-Aug-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
18-Feb-10	18-Feb-10	RJP (22428)	CERTIFIED
25-Aug-09	25-Aug-09	RJP (22428)	CERTIFIED. REPLACED DRY GAS STANDARD.
01-Apr-09	01-Apr-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
28-Oct-08	28-Oct-08	RJP (22428)	CERTIFIED.
23-Oct-08	23-Oct-08	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
NSL

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010542 Worksheet Start Date 10/30/2013
Location Wythe CO SO
Address 245 S 4th St Wytheville VA 24382
DFS Technician Donald Hall License No. 21250

☐ Laboratory

☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

	Old serial no.	New serial no.	Supplies
E-Seek			Mouthpieces 50
Keyboard			Certificates of Analysis 75
Printer			Operator Worksheet 50
UPS			Other:

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010542

Certification Date 10/30/2013

Instrument Barometer (mm HG) 706

Reference Barometer (mm HG) 711

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.232
0.250	0.232	0.225	0.238	Sample 2	0.231
Precision		sample min	sample max	Sample 3	0.231
0.001		0.231	0.232		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.139
0.150	0.139	0.134	0.143	Sample 2	0.139
Precision		sample min	sample max	Sample 3	0.139
0		0.139	0.139		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.075
0.080	0.074	0.071	0.077	Sample 2	0.075
Precision		sample min	sample max	Sample 3	0.075
0		0.075	0.075		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.018
0.020	0.019	0.016	0.022	Sample 2	0.018
Precision		sample min	sample max	Sample 3	0.018
0		0.018	0.018		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-27

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.093
0.100	0.093	0.090	0.096	Sample 2	0.093
Precision		sample min	sample max	Sample 3	0.093
0		0.093	0.093		

DFS Technician

Donald B Hall

Date

11/1/13

Issuing Analyst

Melissa Kennedy

Date

11/7/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/30/2013
TEST EQUIPMENT NUMBER 010542		

RESULTS: TIME SAMPLE TAKEN **09:28 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 30 Oct 2013 at 09:51

AND
DBH
NHL

Test Results

Instrument Serial Number 010542

Test # 000908 Subject Test

Test Location 1 Department of
Test Date 30 Oct 2013

Test Location 2 Forensic Science
Test Time 09:21
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 30 Oct 2013 End Time 09:29

Result Time 09:28

Result Date 30 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:22

Data Type BLK

Sample Value 0.000

Sample Time 09:22

Data Type CHK

Sample Value 0.094

Sample Time 09:23

Data Type BLK

Sample Value 0.000

Sample Time 09:24

Data Type SUBJ

Sample Value 0.000

Sample Time 09:25

Data Type BLK

Sample Value 0.000

Sample Time 09:26

Data Type SUBJ

Sample Value 0.000

Sample Time 09:28

Data Type BLK

Sample Value 0.000

Sample Time 09:29

Standard Type Dry Gas Std

Standard Value 0.093

Standard Lot Number AG217702-19

Standard Expiration Date 06/25/2014

Tank Pressure 732

Barometric Pressure 706 mmHg

Blow Sample Number 1 Blow Duration 3.62 sec

Blow Volume 1735 cc End-of-Blow Time 09:25

Blow Sample Number 2 Blow Duration 3.80 sec

Blow Volume 1787 cc End-of-Blow Time 09:28

Tamper Evident Stamp 1f5e003b

Test Status Code 0

Test Status Success

DBH

WHL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010542 Test Number: 909

Test Date: 10/30/2013 Test Time: 09:30 EDT

Dry Gas Target: 0.093

Lot Number: AG217702-19 Exp Date: 06/25/2014

Tank Pressure: 727 psi Barometric Pressure: 706 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:31
CHK	0.094	09:31
BLK	0.000	09:33
CHK	0.094	09:34
BLK	0.000	09:35
CHK	0.094	09:36

Test Status: *Success*

Calibration CRC: 5485294C

DBH

NSL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010542 Test Number: 910

Test Date: 10/30/2013 Test Time: 09:39 EDT

Dry Gas Target: 0.279

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 169 psi Barometric Pressure: 706 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:40
CHK	0.283	09:41
BLK	0.000	09:42
CHK	0.283	09:43
BLK	0.000	09:44
CHK	0.282	09:45

Test Status: *Success*

Calibration CRC: 5485294C

DBH

Intox EC/IR-II: Software Version

NSL

Department of Forensic Science

Serial Number: 010542

System Date: 10/30/2013

System Time: 10:07 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

Intox EC/IR-II: Calibration

WXL

Department of Forensic Science

Serial Number: 010542 Test Number: 911

Test Date: 10/30/2013 Test Time: 10:10 EDT

Dry Gas Target: 0.093

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 384 psi Barometric Pressure: 706 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:10
CAL	0.093	10:11

Test Status: *Success*

Calibration CRC: 5FF5B00A

DBH

WSM

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010542 Test Number: 912

Test Date: 10/30/2013 Test Time: 10:17 EDT

Technician Initials: DBH

Dry Gas Target: 0.232

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 174 psi Barometric Pressure: 706 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:17
BLK	0.000	10:18
CHK	0.232	10:19
BLK	0.000	10:20
CHK	0.231	10:21
BLK	0.000	10:22
CHK	0.231	10:23
BLK	0.000	10:24

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010542 Test Number: 913

Test Date: 10/30/2013 Test Time: 10:27 EDT

Technician Initials: DBH

Dry Gas Target: 0.139

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 752 psi Barometric Pressure: 706 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:28
BLK	0.000	10:28
CHK	0.139	10:29
BLK	0.000	10:30
CHK	0.139	10:31
BLK	0.000	10:33
CHK	0.139	10:33
BLK	0.000	10:35

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

NSL

Department of Forensic Science

Serial Number: 010542 Test Number: 914

Test Date: 10/30/2013 Test Time: 10:37 EDT

Technician Initials: DBH

Dry Gas Target: 0.074

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 139 psi Barometric Pressure: 706 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:37
BLK	0.000	10:38
CHK	0.075	10:39
BLK	0.000	10:40
CHK	0.075	10:41
BLK	0.000	10:42
CHK	0.075	10:43
BLK	0.000	10:44

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

ANL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010542 Test Number: 915

Test Date: 10/30/2013 Test Time: 10:47 EDT

Technician Initials: DBH

Dry Gas Target: 0.019

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 1056 psi Barometric Pressure: 706 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:48
BLK	0.000	10:49
CHK	0.018	10:49
BLK	0.000	10:51
CHK	0.018	10:51
BLK	0.000	10:53
CHK	0.018	10:53
BLK	0.000	10:55

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010542 Test Number: 916

Test Date: 10/30/2013 Test Time: 10:58 EDT

Dry Gas Target: 0.279

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 159 psi Barometric Pressure: 706 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:58
CHK	0.282	10:59
BLK	0.000	11:01
CHK	0.282	11:02
BLK	0.000	11:03
CHK	0.282	11:04

Test Status: *Success*

Calibration CRC: 5FF5B00A

Intox EC/IR-II: Accuracy Check*Department of Forensic Science*

Serial Number: 010542 Test Number: 917

Test Date: 10/30/2013 Test Time: 11:07 EDT

Dry Gas Target: 0.093

Lot Number: AG320502-27 Exp Date: 07/24/2015

Tank Pressure: 1056 psi Barometric Pressure: 706 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:08
CHK	0.093	11:09
BLK	0.000	11:10
CHK	0.093	11:11
BLK	0.000	11:12
CHK	0.093	11:13

Test Status: *Success*

Calibration CRC: 5FF5B00A

Nyl




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/30/2013
TEST EQUIPMENT NUMBER 010542		

11:22 EDT

RESULTS: TIME SAMPLE TAKEN _____
0.00

SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 30 Oct 2013 at 13:43

T L N
DBH
MBA

Test Results

Instrument Serial Number 010542

Test # 000918 Subject Test

Test Location 1 Department of
Test Date 30 Oct 2013

Test Location 2 Forensic Science
Test Time 11:16
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 30 Oct 2013 End Time 11:23

Result Time 11:22

Result Date 30 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:16

Data Type BLK

Sample Value 0.000

Sample Time 11:17

Data Type CHK

Sample Value 0.093

Sample Time 11:18

Data Type BLK

Sample Value 0.000

Sample Time 11:19

Data Type SUBJ

Sample Value 0.000

Sample Time 11:20

Data Type BLK

Sample Value 0.000

Sample Time 11:21

Data Type SUBJ

Sample Value 0.000

Sample Time 11:22

Data Type BLK

Sample Value 0.000

Sample Time 11:23

Standard Type Dry Gas Std

Standard Value 0.093

Standard Lot Number AG320502-27

Standard Expiration Date 07/24/2015

Tank Pressure 1051

Barometric Pressure 706 mmHg

Blow Sample Number 1 Blow Duration 3.63 sec

Blow Volume 1769 cc End-of-Blow Time 11:20

Blow Sample Number 2 Blow Duration 3.42 sec

Blow Volume 1701 cc End-of-Blow Time 11:22

Tamper Evident Stamp 9f31a422

Test Status Code 0

Test Status Success